

Amendments to the Specification:

## ABSTRACT OF THE DISCLOSURE

[0001] A wireless communication network (10) ~~comprising~~ includes a wireless transmitter (12). ~~The transmitter comprises having~~ a plurality of antennas (AT1<sub>1</sub>, AT1<sub>2</sub>), ~~wherein each of the plurality of antennas is operable for transmitting signals.~~ The transmitter includes ~~also comprises~~, for each of a plurality of different user channels (D<sup>n</sup>), circuitry (22<sup>n</sup>) for providing a plurality of groups of symbols in a first symbol group sequence (D<sub>1</sub><sup>n</sup>). ~~The transmitter also comprises, for each~~ Each of the plurality of different user ~~channels,~~ channels includes circuitry (24<sub>1</sub><sup>n</sup>) for forming a first modulated symbol group sequence for the user channel by modulating the symbols in the first symbol group sequence ~~for the user channel~~ with a unique code that corresponds to the user channel and distinguishes the user channel from each other of the plurality of different user channels and circuitry (26<sub>1</sub>) for combining the first modulated symbol group sequences ~~and providing them~~ for transmission by a first antenna (AT1<sub>1</sub>). ~~The transmitter also comprises, for each~~ Each of the plurality of different user ~~channels,~~ channels includes circuitry (22<sup>n</sup>) for forming a second symbol group sequence (D<sub>2</sub><sup>n</sup>) by ~~re-ordering the groups of symbols in the first symbol group sequence and~~ further by time reversing symbols in at least some of the groups of symbols. ~~Also for each of the plurality of different user channels, the transmitter comprises circuitry (24<sub>2</sub><sup>n</sup>) for forming a second modulated symbol group sequence for the user channel by modulating the symbols in the second symbol group sequence for the user channel with a unique code that corresponds to the user and distinguishes the user from each other of the plurality of different user channels. Finally, the transmitter comprises circuitry (26<sub>2</sub>) for combining the second modulated symbol group sequences and providing them for transmission by the second antenna (AT1<sub>2</sub>).~~